

IN THE ABSTRACT

Please replace the Abstract with the attached revised
Abstract located at the end of this document.

ABSTRACT OF THE DISCLOSURE

Disclosed is a high-voltage supply unit for electrofilters. The unit includes high-voltage devices which are arranged close to the electrofilter and by which the electrofilter is supplied with high voltage, measuring heads which are assigned to the high-voltage devices and by which measured values and optional diagnostic data from the high-voltage devices are detected and transmitted, and control units, each of which is assigned to one high-voltage device and by which the high-voltage devices assigned thereto are controlled and regulated according to the requirements and by taking into account measured values and optional diagnostic data that are transmitted by the measuring heads. In order to improve the quality of signals during transmission between the measuring heads that are located at the high-voltage device and the control units, especially when the distances between the high-voltage devices that are placed near the electrofilter and the control units which are disposed in a control room or similar are relatively great, while keeping the technical complexity and expenses relatively low, each of the measuring heads which are placed at the high-voltage device end is provided with an LWL interface, the measuring heads are connected to a first local LWL network via the LWL interfaces thereof, the control units are interconnected by

means of a second local LWL network, and the local LWL network which is located at the high-voltage device end and the local LWL network which is located at the control unit end are coupled to each other by way of an LWL connection.